

Title (en)

METHOD AND ELECTRONIC DEVICE FOR CORRECTING MEASUREMENT VALUE OF SENSOR

Title (de)

VERFAHREN UND ELEKTRONISCHE VORRICHTUNG ZUR KORREKTUR DES MESSWERTES EINES SENSORS

Title (fr)

PROCÉDÉ ET DISPOSITIF ÉLECTRONIQUE DE CORRECTION DE VALEUR DE MESURE D'UN CAPTEUR

Publication

**EP 3677924 A4 20201111 (EN)**

Application

**EP 18873650 A 20181019**

Priority

- KR 20170146045 A 20171103
- KR 2018012409 W 20181019

Abstract (en)

[origin: EP3677924A1] An electronic device according to various embodiments of the present invention may comprise: at least one electrode having conductivity; a capacitance sensor, at least one switch electrically connected between the at least one electrode and the capacitance sensor, and capable of selectively connecting the at least one electrode and the capacitance sensor; and a control circuit, wherein the control circuit measures a first capacitance value by using the capacitance sensor in a state where the at least one switch is open, measures a second capacitance value corresponding to an external object contacting the at least one electrode, by using the capacitance sensor in a state where the at least one switch is connected, corrects the second capacitance value by using the first capacitance value, and determines the corrected second capacitance value as a capacitance value for the external object. Various other embodiments are possible.

IPC 8 full level

**G01R 27/26** (2006.01); **G06F 3/041** (2006.01); **G06F 3/044** (2006.01); **H03K 17/96** (2006.01)

CPC (source: EP KR US)

**G01R 27/26** (2013.01 - EP); **G01R 27/2605** (2013.01 - KR); **G01R 35/007** (2013.01 - KR); **G06F 3/0418** (2013.01 - US); **G06F 3/044** (2013.01 - KR); **G06F 3/0443** (2019.04 - US); **H03K 17/962** (2013.01 - EP KR US); **H03K 2017/9606** (2013.01 - US); **H03K 2217/960705** (2013.01 - EP); **H03K 2217/96073** (2013.01 - EP); **H03K 2217/960745** (2013.01 - KR)

Citation (search report)

- [X1] US 2017134022 A1 20170511 - KIM JIN-MAN [KR], et al
- See references of WO 2019088529A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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